Installation Guide

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V992-N Network Camera

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www.vicon-security.com

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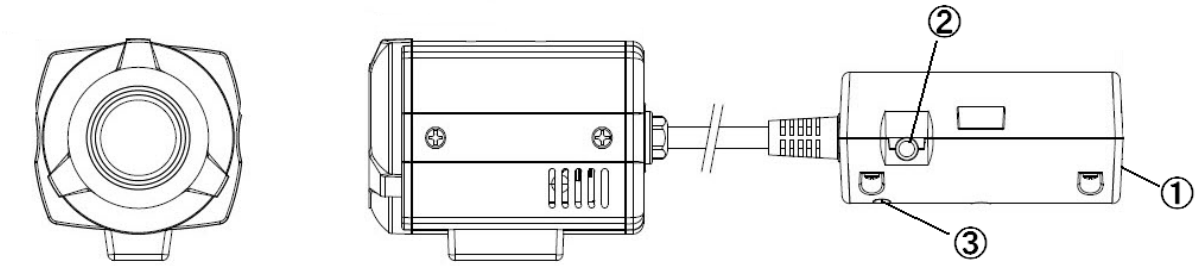
1. Product Features

The V992-N is a high performance H.264 network camera, designed for demanding security installations. It delivers crisp, clear images, disclosing every detail, thanks to its top quality megapixel progressive CMOS sensor and advanced image processing.

Supported by the industry's largest base of video management software, the V992-N provides the perfect solution for securing bank offices, airports and other facilities, and for traffic surveillance, over IP based networks.

The optimal Power over Ethernet (IEEE 802.3af) support power to the camera to be delivered via the network, eliminating the need for a power outlet and reducing installation costs. Steady power could be guaranteed with a central Uninterruptible Power Supply (UPS).

The V992-N offers a comprehensive set of network security and management features. This includes support for port based network control (IEEE802.1X), which allows the camera to be connected to a network secured with this control, and HTTPS encryption, which provides a secure channel between camera and application. It also enables authentication of the video source. Video products are efficiently managed with the powerful V992-N Camera Management tool, which is provided on the Installation CD which comes with each V992-N camera.



1. Network (RJ-45 PoE required)

The V992-N connects to the network via a standard network cable, and automatically detects the speed of the local network segment (10BaseT/100BaseTX Ethernet). This socket must be used to power the V992-N via Power over Ethernet (PoE). The camera auto-senses the correct power level when using a PoE (Class 2) switch, router or injector.

2. Video output for service monitor

This analog video output is available when installation mode is set to ON. Use accessory cable to video output.

3. Reset Switch

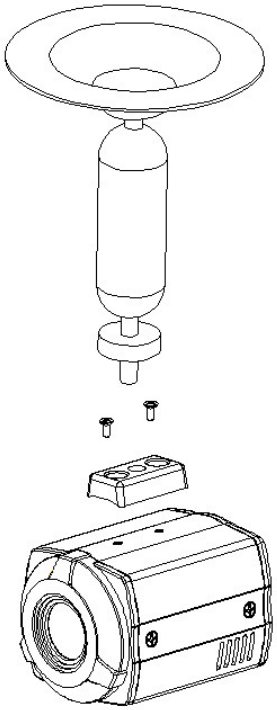
This switch has 3 functions, controlled by the length of time it is pressed.

1) Switch NTSC/PAL format (less than 1second)
2) System reboot (around 5 seconds)
3) Factory Default Reset (more than 10 seconds)

2. Installation

2.1 Install camera

1) Assemble the mounting tripod (supplied), used when mounting the camera to a wall bracket, onto camera with supplied screws.
2) Install the wall bracket at the installation location according to the instructions supplied with the wall bracket.
3) Install the camera onto the wall bracket.



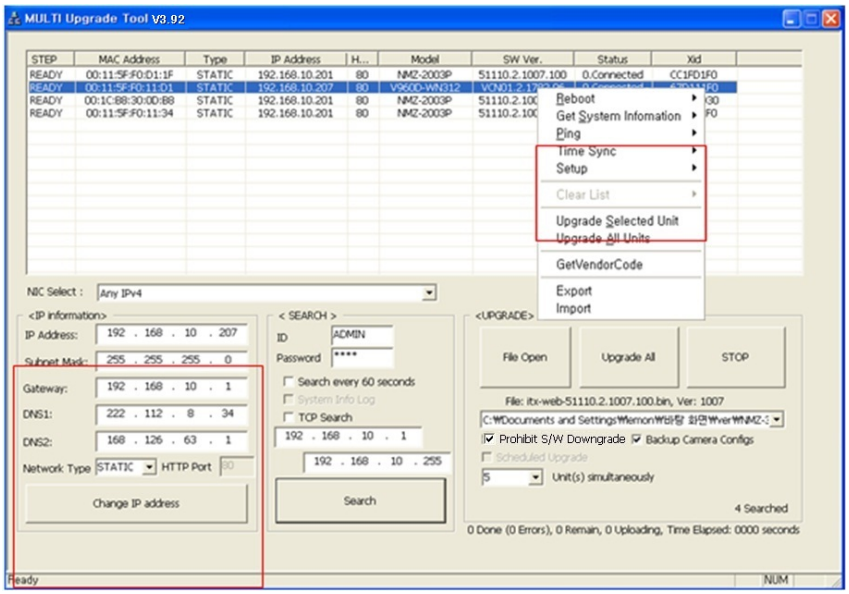
2.2 Assign IP address

The default setting of the camera is set “DHCP” to ON. If you have a DHCP server on your network and UPnP function enabled on your PC you can find the network camera in “My network”.

If a DHCP server is not available on your network, assign IP address by the following process:

Execute Multi-Upgrade Tool (from the Installation CD). It will search cameras on the network automatically.

1) After the list of detected devices appears, select the camera you are trying to configure.



2) Select the Network type as Static or DHCP. If Static is selected, enter all of the network information for your camera.

3) Select the “Change IP Address” button. The message “Do you want to change IP address?” will display; select “Yes” from the pop-up window.

4) Check the Type as Static or DHCP from the list.

When you double click the camera within the list, the default web browser (Internet Explorer or compatible equivalent) will open and automatically connect to the camera.

The V992-N can be accessed with most standard operating systems and browsers. The recommended browser is Internet Explorer® 7 and above for Windows®.

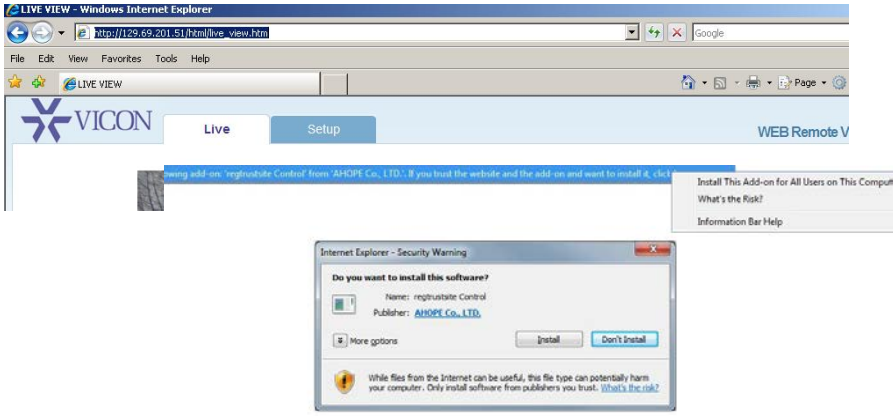
2.3 Access from a browser

1. Start a browser (i.e., Internet Explorer)
2. Enter the IP address or host name of the camera in the Location/Address field of your browser. Press Enter.
3. Login dialog will appear when the camera is accessed for the first time.
4. The default user name is **ADMIN**, and password is **1234**.

Windows Security
The server 129.69.201.46 at IP-CAM requires a username and password.
Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).
User name
Password
Remember my credentials
OK
Cancel

5. The camera’s Live View page is now displayed in your browser.

When you first access the camera you will be asked to download and install an Active X control from the camera to display a Live image.


LIVE VIEW - Windows Internet Explorer
File Edit View Favorites Tools Help
VICON
Live
Setup
Install This Add-on for All Users on This Comput
What's the Risk?
Information Bar Help
Internet Explorer - Security Warning
Do you want to install this software?
Name: regtrustsite Control
Publisher: AHOPE Co., LTD.
More options
Install
Don't Install
While files from the Internet can be useful, this file type can potentially harm your computer. Only install software from publishers you trust. What's the risk?

NOTE: The layout of the live view page in the camera may have been customized to meet specific requirements. Consequently, some of the examples and functions featured here may differ from those displayed on your own Live View page.

2.4 Accessing the camera from the Internet

Once installed, the camera is accessible on the local network (LAN). Configure the router/firewall to allow incoming data traffic to access the camera from the Internet. For security reasons this is usually done on a specific port. Please refer to the documentation for router/firewall for further instructions.

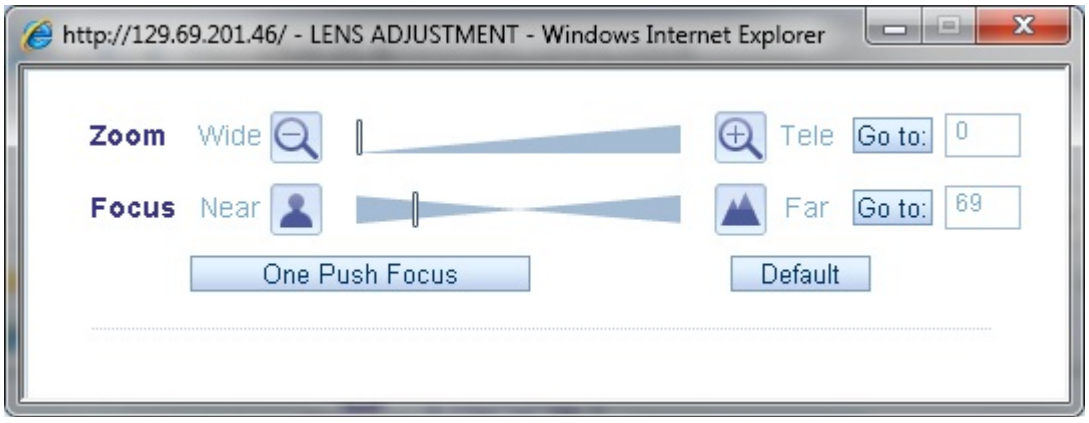
2.5 Adjusting the Image and Focus

With Analog Video output

1. Open the **Live View** page in your web browser.
   - Select the **Setup** tab, and open the **Installation** page.
   - Select the 'Video Format'.
2. Connect analog monitor to the VIDEO OUT (BNC) on the cable.
   - Adjust camera angle.

With Web Browser

1. Open the **Live View** page in your web browser.
   - Select the **Setup** tab, and open the **Video -> Camera** page.
   - Click 'Lens Adjustment'**.**



2. Set the desired Zoom position.
3. Click 'One Push Focus' button to adjust focus automatically or set focus manually.

3. Live View

+

Digital Zoom

Snap Shot

Full Screen

Video Stream change: First stream ⇔ Second stream

Play: Click this button by manually to start the stream

Stop: Click this button by manually to stop streaming

NOTE: It is possible that not all the buttons described below will be visible unless the Live View page has been customized to display them.

3.1 Video Stream Types

Motion JPEG

This format uses standard JPEG images in the video stream. These images are then displayed and updated at a rate sufficient to create a stream that shows constantly updated motion.

The Motion JPEG stream uses a considerable amount of bandwidth, but it also provides excellent image quality and access to every individual image contained in the stream.

H.264 protocols and communication methods

• **RTP** (**R**eal-time **T**ransport **P**rotocol) is a protocol that allows programs to manage the real-time transmission of multimedia data, via unicast or multicast.

• **RTSP** (**R**eal **T**ime **S**treaming **P**rotocol) serves as a control protocol, to negotiate the type of transport protocol to use for the stream. RTSP is used by a viewing client to start a unicast session.

• **UDP** (**U**ser **D**atagram **P**rotocol) is a communications protocol that offers limited service for exchanging data in a network which uses the Internet Protocol (IP).

UDP is an alternative to the Transmission Control Protocol (TCP). The advantage of UDP is that it is not required to deliver all data and may drop network packets when there is network congestion. This is suitable for live video, as there is no point in re-transmitting old information that will not be displayed anyway.

• **Unicasting** is communication between a single sender and a single receiver over a network. This means that the video stream goes independently to each user, and each user gets own stream. A benefit of unicasting is in case one stream fails, it only affects one user.

• **Multicasting** is bandwidth-conserving technology that reduces bandwidth usage by simultaneously delivering a single stream of information to multiple network recipients. This technology is used primarily on delimited networks (intranets), as each user needs an uninterrupted data flow and should not rely on network routers. (Note that multicasting may not be available with the firmware you received; check the Vicon website for updated firmware.)

3.2 How to Stream H.264

Deciding on the combination of protocols and methods to use depends on your viewing requirements, and on the properties of your network. Setting the preferred method(s) is done in webpage.

RTP+RTSP
This method (actually RTP over UDP and RTSP over TCP) should be your first consideration for live video, especially when it is important to always have an up-to-date video stream, even if some images are lost due to network problems. This could be configured as multicast or unicast.

RTP/RTSP/Unicasting should be used for video-on-demand broadcasting, so that there is no video traffic on the network until a client connects and requests the stream. However, as more and more unicast clients get connected, the traffic on the network will increase and

may cause congestion. Although there is a maximum of 10 unicast viewers, note that all multicast users combined count as 1 unicast viewer.

RTP/RTSP

This unicast method is RTP tunneled over RTSP. This could be used to exploit the fact that it is relatively simple to configure firewalls to allow RTSP traffic.

4. Setup

The V992-N is configured from the Setup link, which is available on the top left hand side in the web interface. This configuration could be done by:

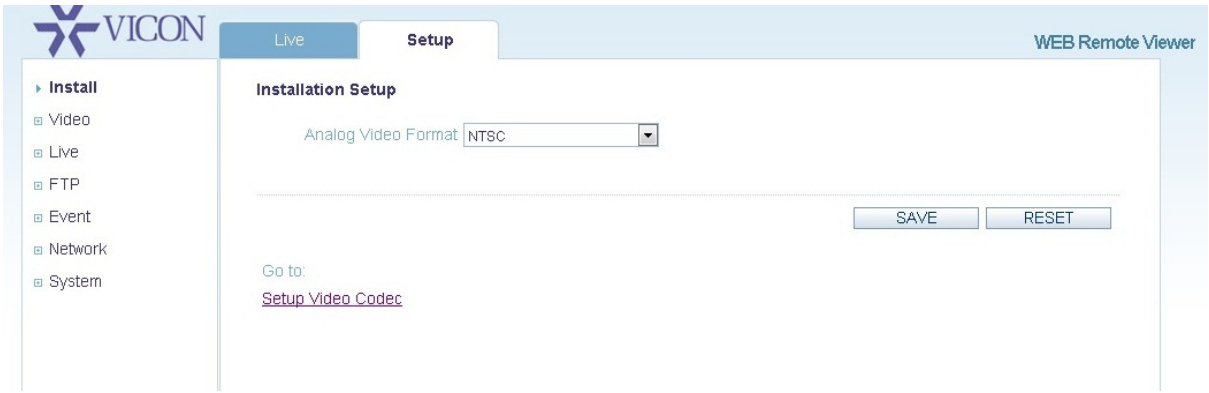
• **Administrators**, who have unrestricted access to all settings under the Setup tab.

Accessing the Setup link from a browser

1. Start your web browser and enter the IP address or host name of the camera into the address bar.

2. The Live View page is now displayed. Click on the Setup tap.

4.1 Install



4.1.1 Installation Setup

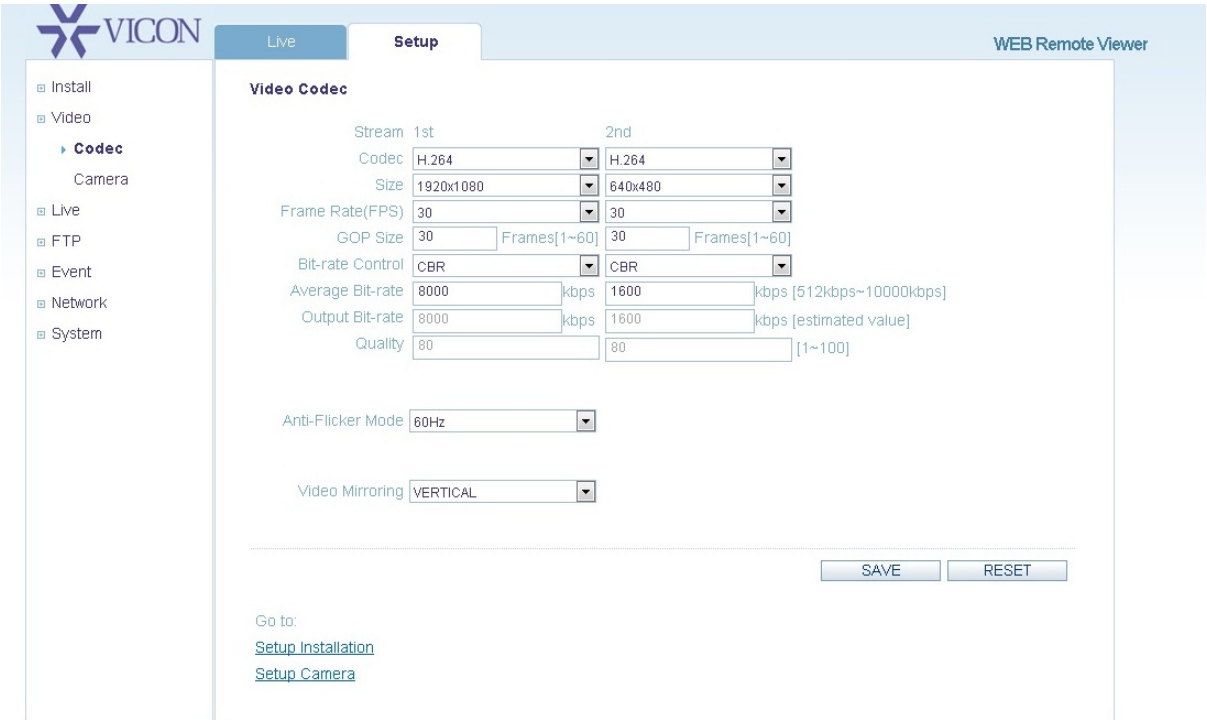
Installation Mode allows use of the analog BNC output from the camera to connect the camera

NTSC, PAL: Analog Output is enabled.
OFF: Analog output will be disabled.

NOTE: You must turn Installation Mode OFF to utilize the megapixel features of the camera. Additionally, all installation setup must be done prior to the camera being used with a VMS, including ViconNet; the VMS forces the Installation Mode to OFF.

4.2 Video

The following descriptions show examples of some of the features available with V992-N.



4.2.1 Codec

This section allows you to choose the compression codec for each of the video streams.

Codec

H.264

This is a video compression standard that makes good use of bandwidth and could provide high-quality video streams.

The H.264 standard provides the scope for a large range of different coding tools for use by various applications in different situations, and the V992-N provides certain subsets of these tools.
Using H.264, it is also possible to control the bit rate, which in turn allows the amount of

bandwidth usage to be controlled. CBR (Constant Bit Rate) is used to achieve a specific bit rate by varying the quality of the H.264 stream. While using VBR (Variable Bit Rate), the quality of the video stream is kept as constant as possible, at the cost of a varying bit rate.

Motion JPEG

This format uses standard JPEG still images in the video stream. These images then are displayed and updated at a rate sufficient to create a stream that shows constantly updated motion.

The Motion JPEG stream uses considerable amounts of bandwidth, but also provides excellent image quality and access to every individual image contained in the stream. Multiple clients accessing Motion JPEG streams could use different image settings.

Size

Video output resolution. See the table that follows for the output resolution.

Frame rate

1 ~ 30fps (60Hz) / 1 ~25fps (50Hz)

GOP Size

1 ~ 60 frames

Bit-rate Control (CBR or VBR)

When using H.264 compression, if there is only limited bandwidth available, a constant bit rate (CBR) is recommended, although this may compromise image quality. Use a variable bit rate (VBR) for the best possibly image quality.

Average Bit-rate (512Kbps ~ 10Mbps)

Recommended bit rate for D1 or VGA: 800Kbps ~ 1Mbps
Recommended bit rate for 1.3M (720p: 3Mbps ~ 4Mbps
Recommended bit rate for 2.0M (1080p): 6Mbps ~ 8Mbps

Boost Quality

The Boost feature is used in conjunction with Video Motion Detection (VMD). When this feature is turned ON, the Boost FPS can be set to a different value than the Frame Rate set for the camera in the field above. When motion is detected, the camera will boost the fps from the regular level set for the camera to this boosted level for the duration of the motion. Boost Quality can be set ON or OFF. (Note that multicasting may not be available with the firmware you received; check the Vicon website for updated firmware.)

Quality

1 ~ 100 This parameter is only available in M-JPEG mode.

Anti-Flicker mode (Flicker less mode)

60Hz/50Hz

Video Mirroring

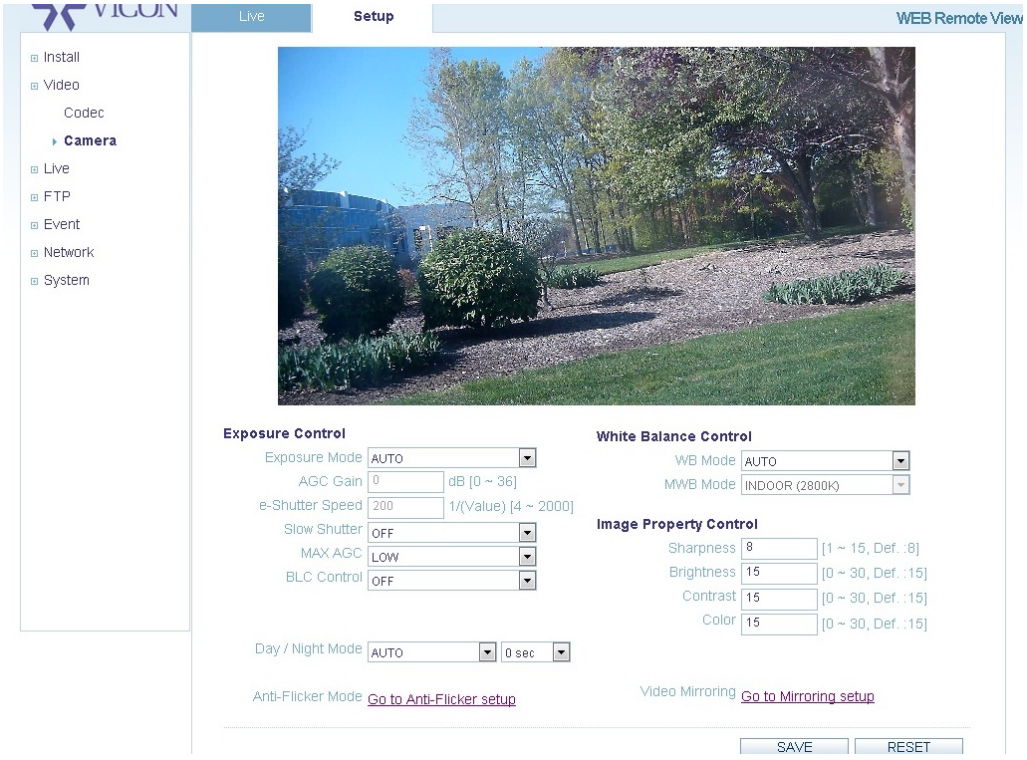
Select Video Mirroring mode NONE/HORIZONTAL/VERTICAL/FLIP(H+V)

< Output resolution and Frame rate table for V992-N > (Unit: fps)

RESOLUTION Table			Second Stream							
			720p	4CIF	4CIF*	VGA 4:3	VGA 16:9	VGA* 16:9	CIF	QVGA
			1280x720	704x480	704x576	640x480	640x360	640x352	352x240/288	352x240
First Stream	1080p	1920x1080	N/A	24	24	25/30	25/30	25/30	25/30	25/30
	SXGA	1280x1024	N/A	25/30	25/30	25/30	25/30	N/A	25/30	25/30
	XGA	1024x768	N/A	25/30	25/30	25/30	25/30	N/A	25/30	25/30
	720p	1280x720	25/30	25/30	25/30	25/30	25/30	N/A	25/30	N/A
	4CIF	704x480	N/A	25/30	N/A	25/30	25/30	N/A	25/30	N/A
	4CIF*	704x576	N/A	N/A	25/30	25/30	25/30	N/A	25/30	N/A
	VGA 4:3	640x480	N/A	N/A	N/A	25/30	N/A	N/A	N/A	25/30
	VGA 16:9	640x360	N/A	N/A	N/A	N/A	25/30	N/A	N/A	25/30
	CIF	352x240/288	N/A	N/A	N/A	N/A	N/A	N/A	25/30	N/A
	QVGA	320x240	N/A	N/A	N/A	N/A	N/A	N/A	N/A	25/30

4.2.2 Camera

This section allows you to adjust various camera settings.



Exposure Control

Exposure Mode

AUTO: Use this setting for automatic exposure control.
MANUAL: Use this setting to control camera exposure manually.

To compensate for poor lighting conditions, you can adjust the Color level, Brightness, Sharpness, Contrast and Exposure control.

NOTE: When AE is enabled, some of the submenus (AGC Gain, e-Shutter Speed) will be disabled.

AGC Gain

0 ~ 36 dB

Slow Shutter mode

For low light conditions, turn on slow shutter mode.

Max AGC Gain

LOW/HIGH selectable.

BLC Control (Back Light Compensation)

The BLC adjusts the exposure of scenes with strong backlight in the center-bottom of the image. When the image background is too bright, or the subject too dark, backlight compensation makes the subject appear clearer. The settings for low light behavior determine how the camera behaves sat low light levels. These settings affect video image quality and how much noise is in the images.

Day & Night Control

Day & Night Mode

Auto/Day/Night

Set this filter to OFF to allow the camera to 'see' infrared light, removing the IR cut filter, when using an IR illuminator. This will make the image clearer. If set to Auto, the camera will automatically switch between IR cut filter On and Off, according to the current lighting conditions.

0/5/10/15/30/60 sec: Set detection window time to avoid switching failure.

White Balance Control

WB Mode

AUTO: (Automatic White Balance)
MANUAL: (Manual White Balance)

The White Balance adjustment setting is used to make the colors in the image appear consistent, compensating for the different colors present in different light sources.

The V992-N camera can be set to automatically identify the light source and compensate for its color temperature. If necessary, the type of light source could be set manually.

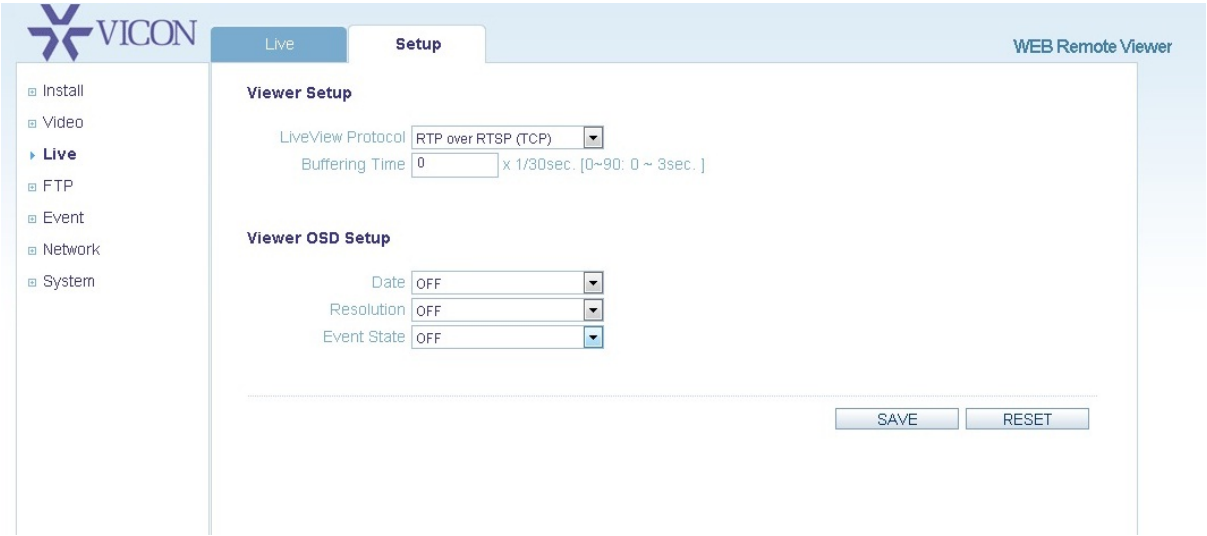
Image Property Control

Modify the video signal parameters, such as: Brightness, Sharpness, Contrast, and Color.

Sharpness	(Default: 8, Range: 1~15)
Brightness	(Default: 15, Range: 0~30)
Contrast	(Default: 15, Range: 0~30)
Color	(Default: 15, Range: 0~30)

4.3 Live

V992-N can support up to 10 simultaneous users via unicast.



4.3.1 Viewer Setup

Live View Protocol

RTP Unicast (UDP)/RTP over RTSP (TCP)

Buffering Time (frame based)

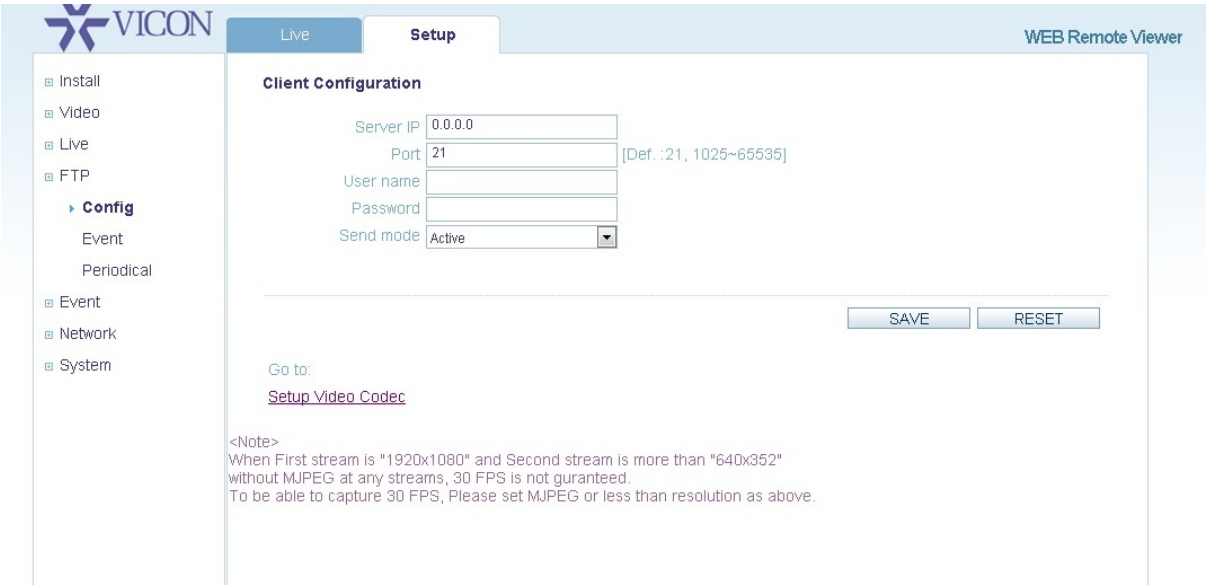
Determines (0 ~ 90) x 1/30 sec (0 ~ 3sec)

Viewer OSD Setup

Select On or Off for these displays:

Date: Determines whether the date is displayed.
Resolution: Determines whether the camera resolution is displayed.
Event State: Determines whether the event state is shown on display window (M for motion is shown in Live View).

4.4.FTP



4.4.1 Config

Server Configuration

Allows transmission of still images to remote sites using the FTP server. Set the information for FTP transmission by inserting the IP address, Port, Username and Password of the remote FTP Server.

4.4.2 Event

Event FTP Sending

You can configure the camera to upload still images to FTP server based on event such as Motion detection.

Directory

The name of the directory where the still images will be stored when an Event occurs.

File Prefix

You may add a file name prefix to the stored image file name.

Example: *If the file prefix is 'MVD', the still image would be saved as MVD_date_time.jpg.*

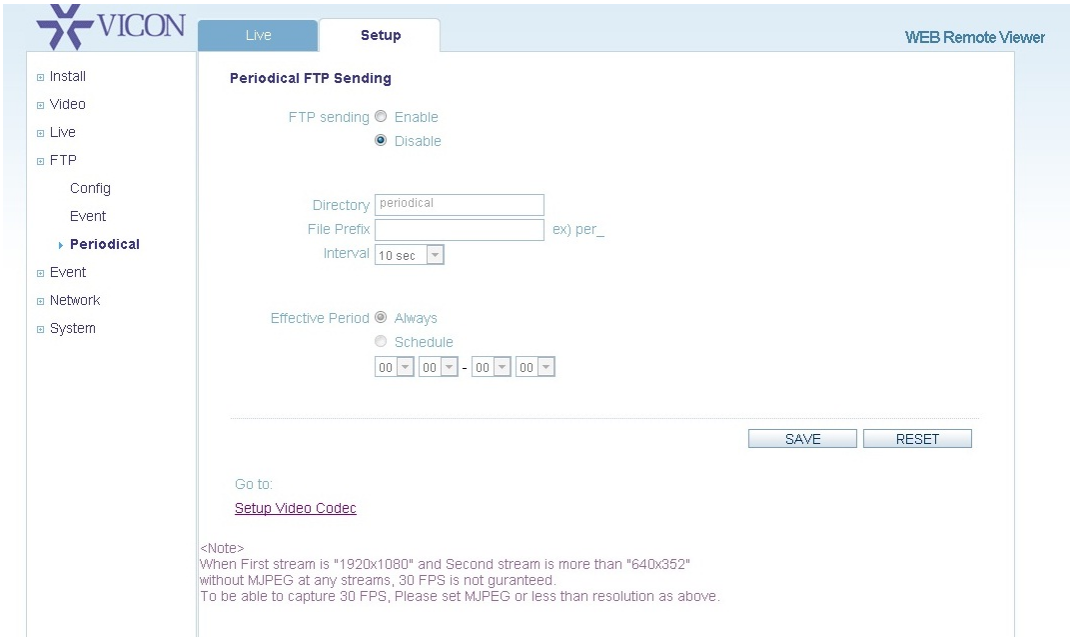
FTP Send Mapping

Choose which types of events will be recorded to the FTP server by checking the desired event.

Effective Period

This parameter lets you decide whether to save all the events that are happening at all hours of the day, or only the events that occur within during specific times of the day. The Schedule method is used to save events into the FTP server during a specific time range. The start time and the end time can be set using the dropdown list.

4.4.3 Periodical



Periodical FTP Sending

This allows transmission of still images periodically to the FTP server.

Directory

The name of the directory where the still images will be stored.

File Prefix

You may add a file name prefix to the stored image file name.

Example: *If the file prefix is 'per', the still image would be saved as per_date_time.jpg.*

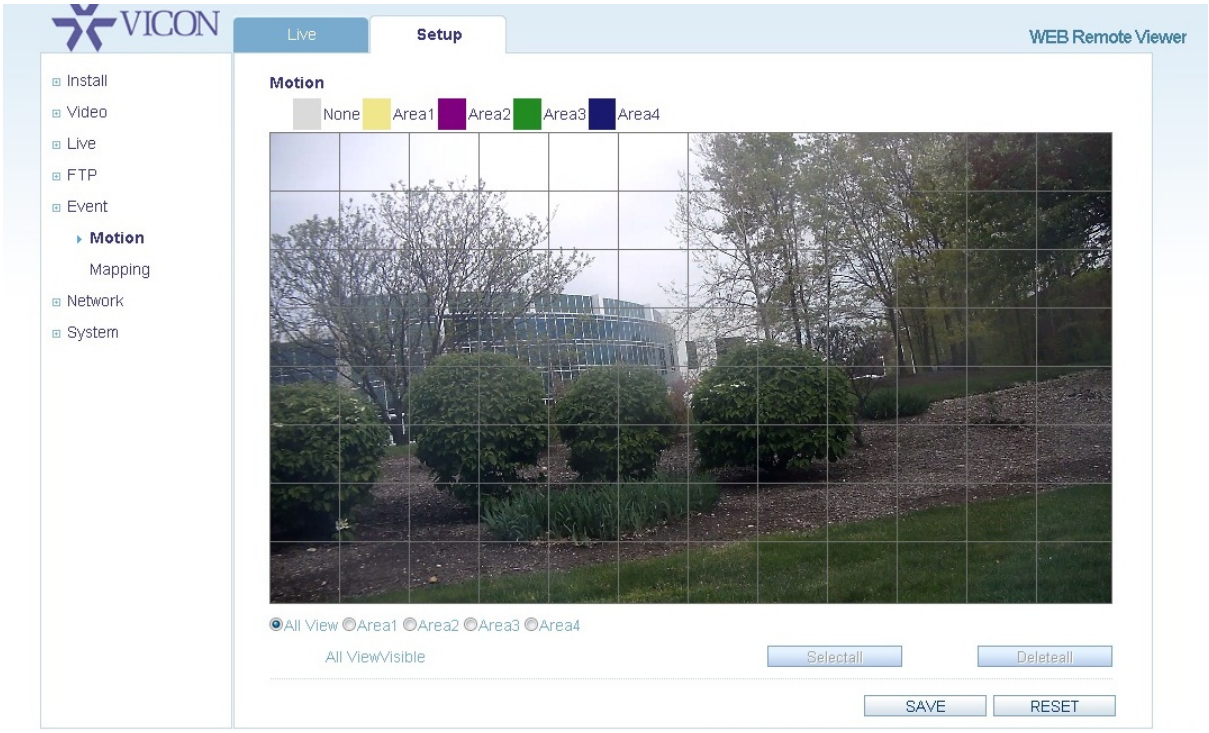
Interval

It allows for saving still images based on frequency (1 image every 10 sec, for example). Use the drop-down control to set from 10 seconds to 1 hour.

Effective Period

This parameter lets you decide whether to save still images at all hours of the day, or during specific times of the day.

4.5.Event



4.5.1 Motion

Motion Detection

Motion detection is used to generate an alarm whenever movement occurs within the video image.

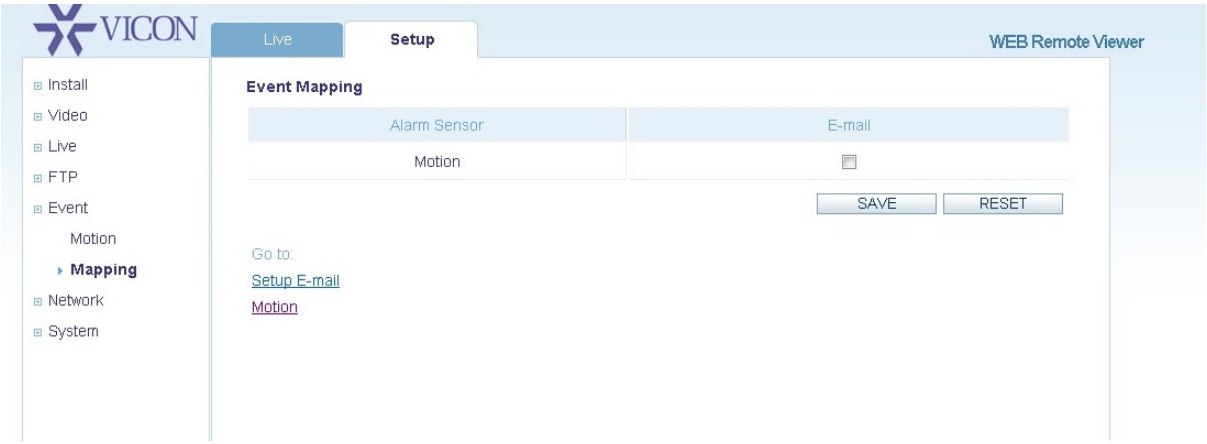
A total of 4 motion detection zones can be configured.

Configuring Motion Detection

1. Click **Motion** in the **Event** menu.
2. Click Area1-4 button for the area to be defined and select the corresponding area for motion detection by clicking the relevant color box.
3. Click the box on the video image where the motion area is to be located and adjust the size of the area by dragging the outlined box across and down in one motion.
4. Adjust the Object Sensitivity from the drop down list, 1-10. The Sensitivity list only displays when an area is selected; it is not visible when All View is selected. Use the Selectall button to have the entire scene in the selected area. Deleteall is available to eliminate all selected areas.
5. Click **Save**. When motion occurs in the defined area, a red dot appears on the Live video.

NOTE: *Using the motion detection feature will consume more of the cameras resources, and this could decrease the camera's overall performance, depending on your settings.*

4.5.2 Mapping



Event Mapping

It is possible to define conditions that would cause the camera to respond with certain actions.

A triggered event happens as a result of an event that is mapped within this menu. This could be caused by motion detection.

E-mail notification could be sent by **Motion** Event**.**

4.6 Network

4.6.1 IP Setup

IP Address Configuration

The IP address could be set automatically via DHCP, or a static IP address could be set manually.

NOTE: IP address assignment via DHCP may lead to the situation where the IP address changes and you lose contact with the camera. If your DHCP server can update a DNS server, you can access the V992-N by a static host name, regardless of having a dynamic IP address. Configure the options for notification of IP address change (under Services) to receive notification from the camera when the IP address changes.

DNS Configuration

DNS (Domain Name Server) provides the translation of host names to IP addresses on your network.

Primary DNS server

Enter the IP address of the Primary DNS server for your network.

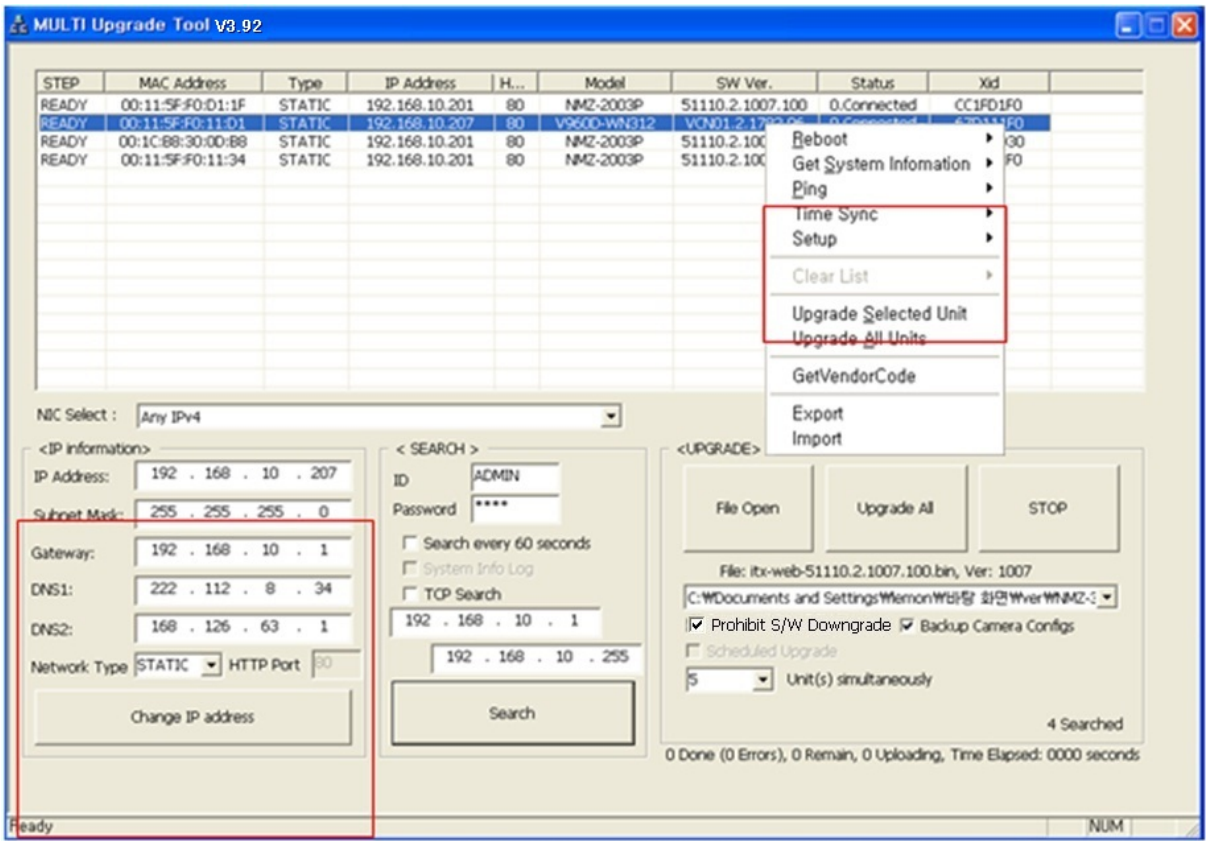
Secondary DNS server

Enter the IP of the Secondary DNS, which is used if the Primary DNS server is unavailable.

How to assign IP address

Execute the Multi Upgrade Tool (from the Installation CD); it will search cameras on the network automatically.

1) After the list of detected devices appears, select the camera you are trying to configure.



2) Select the Network type as Static or DHCP. If Static is selected, enter all of the network information for your camera.

3) Select the “Change IP Address” button. The message “Do you want to change IP address?” will display; select “Yes” from the pop-up window.

4) Check the Type as Static or DHCP from the list.

When you double-click the camera within the list, the default web browser (Internet Explorer or compatible equivalent) will open and automatically connect to the camera.

4.6.2 Service Port

Service Port

HTTP port

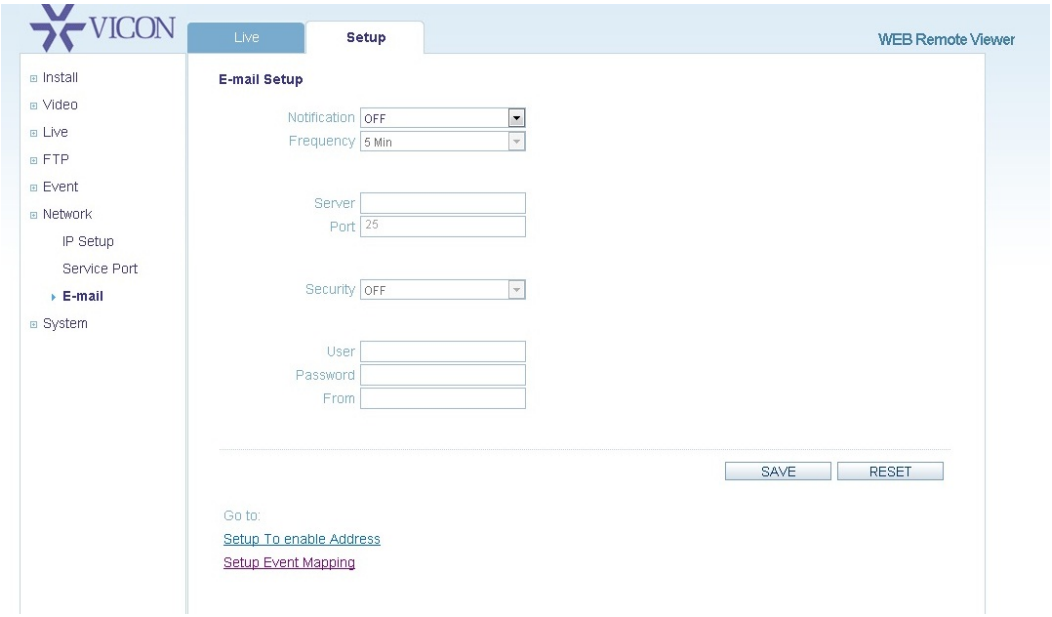
The default HTTP port number **(80)** could be changed to any port within the valid port range (1-65535). This is useful for simple port mapping.

RTSP port

The RTSP protocol allows a connecting client to start an H.264 stream. Enter the RTSP port number to use. The default setting is 554.

NOTE: After changing the default port numbers, the user can use the 'Multi-Upgrade Tool' *to search and connect automatically if they can't remember the specific port numbers that they used.*

4.6.3 E-mail



You must turn Notification to 'On' and then enter the host names or addresses for your mail servers in the fields provided to enable the sending of event and error email messages from the camera to predefined addresses via SMTP.

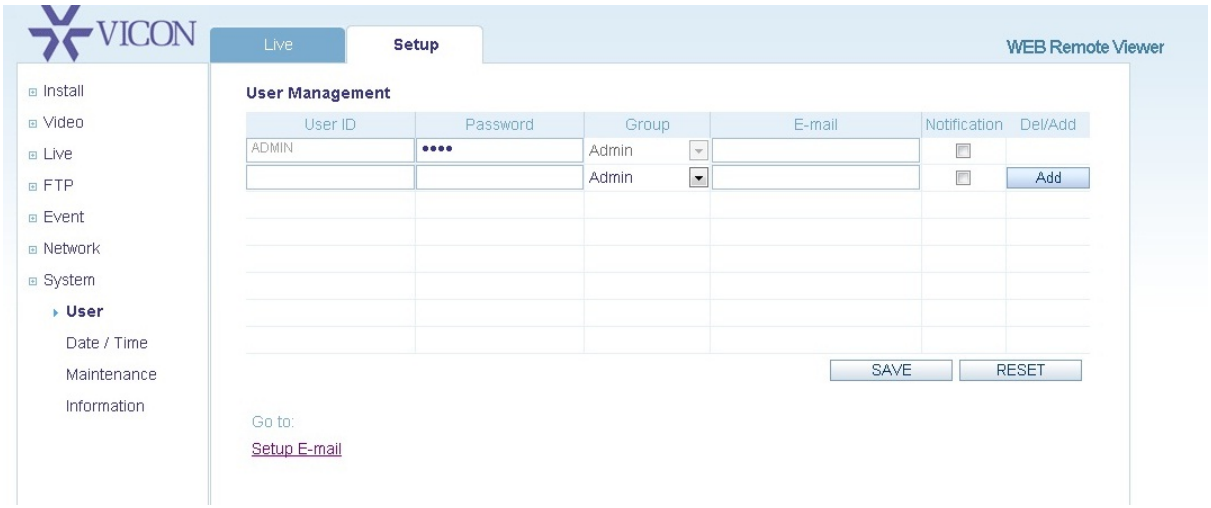
NOTE 1)

Frequency: Mail server may register the sender to SPAM list if frequency is set to "1 Min". To be safe, it may be better to set "5 Min".

NOTE 2)

From: Specify the name that sent e-mail notification. It may be better to use e-mail format like aaa@bbbb.com, as some e-mail servers refuse certain formats.

4.7 System



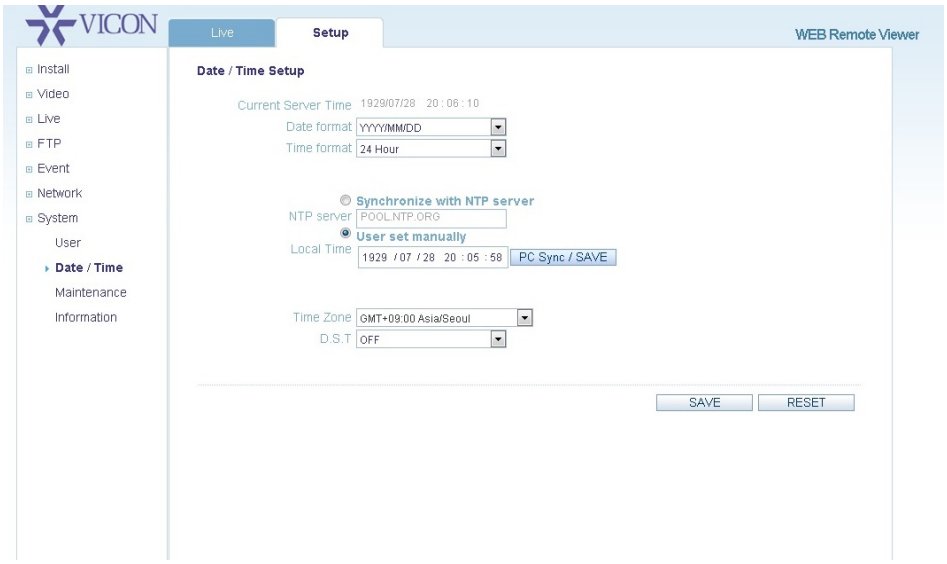
4.7.1 User

When you access the camera, the Configure Root Password dialog box appears. Enter the default user name **ADMIN** and password **1234** to log in.

To change the password or add a user, go to Setup > System > User. Fill in the User ID, Password and E-mail address. Select the Group. Then press the 'ADD' button and click 'SAVE'.

NOTE: The default administrator username ADMIN is permanent and cannot be deleted or altered.

4.7.2 Date/Time



Date & Time Format

Specify the formats for the date and time (12h or 24h) displayed in the Live View video streams.

NTP Server

Synchronize the time from an NTP server every 60 minutes. Specify the IP address or host name of the NTP server you are using.

Local Time / PC Sync/SAVE

Specify Local time manually or Synchronize to PC time automatically.

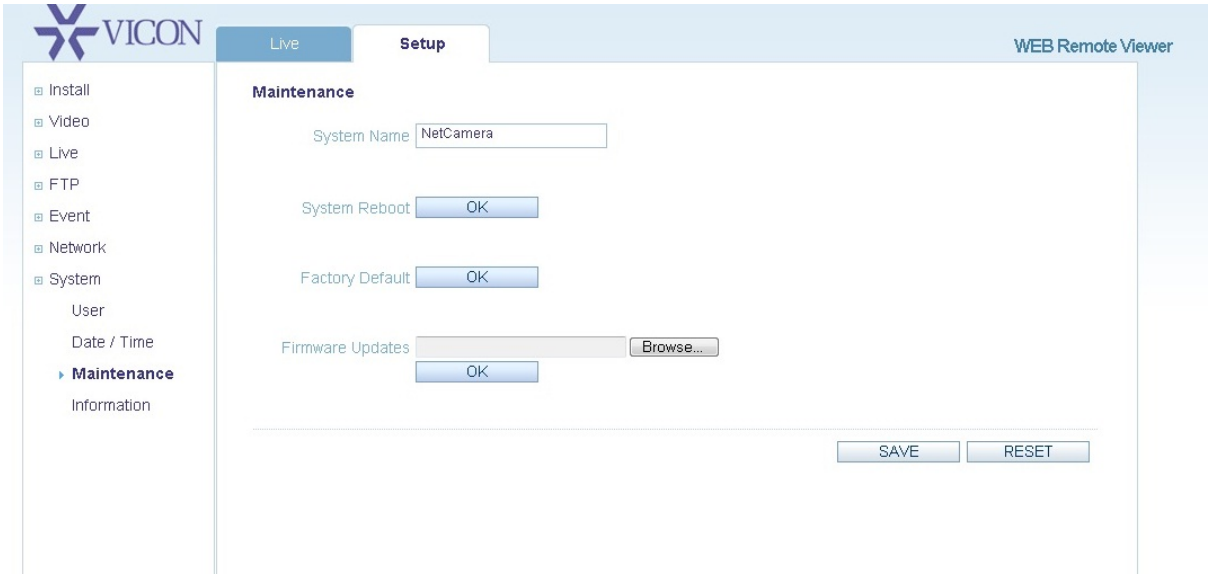
Time Zone Setup

You may select your time zone from the drop-down list.

D.S.T (Daylight Saving Time)

Toggle automatic DST clock adjustment On/Off.

4.7.3 Maintenance



System Name

Choose a system name to identify the camera when using e-mail notifications.

System Reboot

Reboots the camera.

Factory Default

Resets the camera back to the original factory default settings.

Firmware Update

From time to time, firmware will be released to update the camera, which will contain feature additions and other improvements. Always read the upgrade instructions and release notes that accompany each new firmware release before updating the firmware.

NOTE: Preconfigured and customized settings should be saved before the firmware is upgraded.

Firmware Update Procedure

1. Save the firmware file to your computer.
2. Go to Setup > System > Maintenance within the camera web browser setup.
3. In the Firmware Update section, browse to the desired firmware file on your computer. Then click OK.

NOTE: Do not disconnect power to the unit during the upgrade. The unit will restart automatically after the upgrade has completed (1~5 minutes).

4. If you suspect the firmware upgrade for the camera has failed, always wait at least 5-10 minutes before restarting the upgrade process.
5. Vicon reserves the right to charge for any camera repair which can be attributed to faulty upgrading by the user. Always read the upgrade instructions and firmware release notes before updating the firmware.

System Reboot

There are two ways to reset the camera.

Case 1) Using the web browser:

1. Go to SETUP > System > Maintenance.
2. Click “System Reboot” button and wait 1 minute for camera to reboot.

Case 2) Using the Reset Button of the camera:

1. Press and hold for 5 seconds, then release the button.

Factory Default Reset

There are two ways to reset the camera back to factory defaults.

Case 1) Using the web browser:

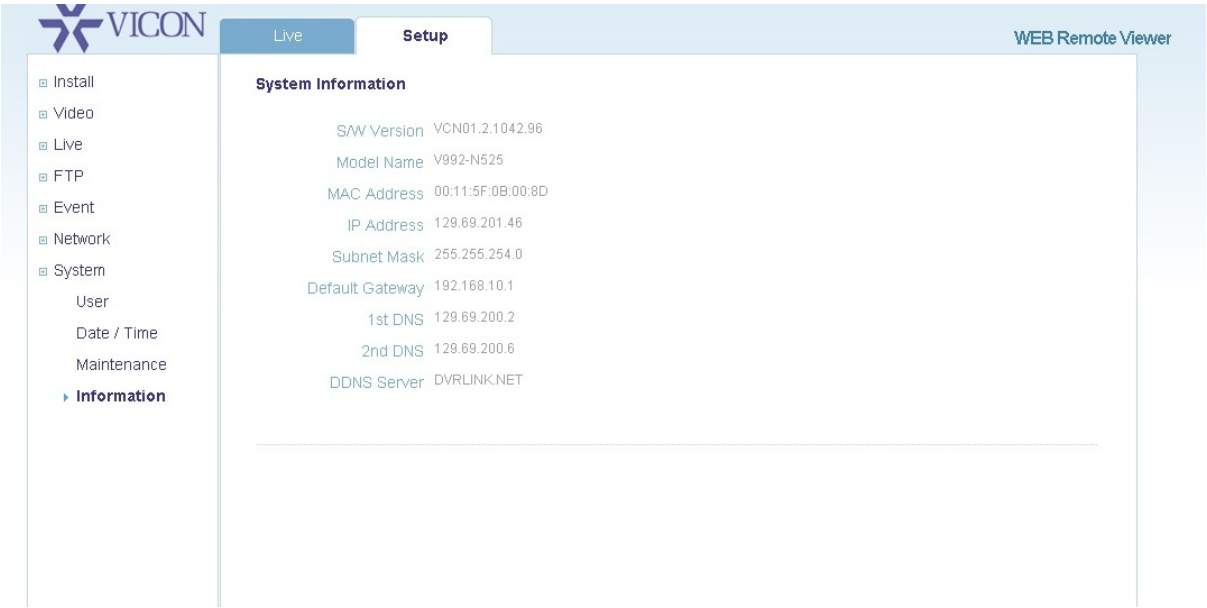
1. Go to SETUP > System > Maintenance.
2. Click “Factory Default” button.

Case 2) Using the Reset Button of the camera:

1. Push and hold the Reset button for more than 10 seconds.
2. Release the Reset button.

NOTE: The unit will now have the default IP address from a DHCP server. Use the 'Multi-Upgrade Tool' to discover and connect to the camera.

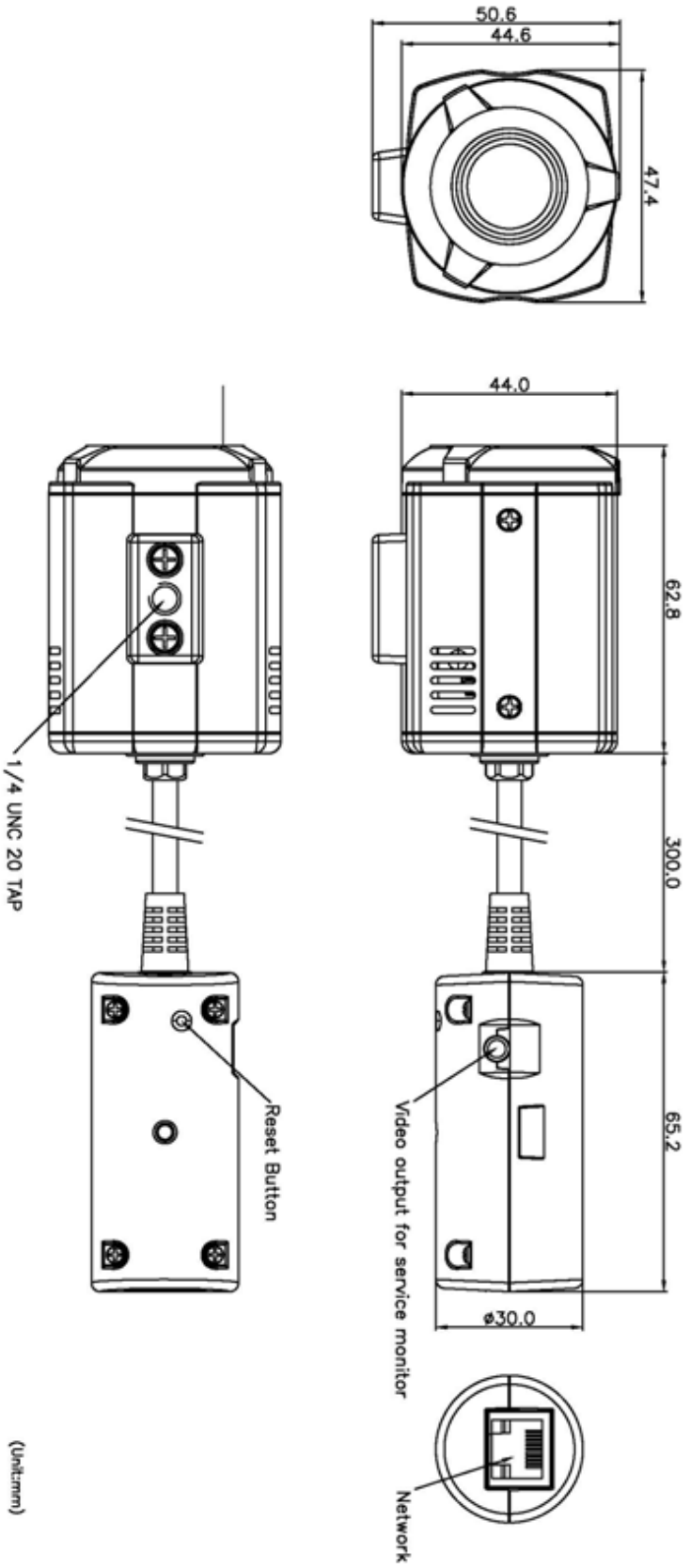
4.7.4 Information



System Information

Confirm the system information of the camera:
S/W version/Model Name/MAC address/IP address settings.

5. Dimensions



Français/French

Élimination de votre ancien appareil

1. Ce symbole, représentant une poubelle sur roulettes barrée d'une croix, signifie que le produit est couvert par la directive européenne 2002/96/EC.
2. Tous les produits électriques et électroniques doivent être éliminés séparément de la chaîne de collecte municipale des ordures, par l' intermédiaire des installations de collecte prescrites et désignées par le gouvernement ou les autorités locales.
3. Une élimination conforme aux instructions aidera à réduire les conséquences négatives et risques éventuels pour l'environnement et la santé humaine.
4. Pour plus d'informations concernant l'élimination de votre ancien appareil, veuillez contacter votre mairie, le service des ordures ménagères ou encore le magasin où vous avez acheté ce produit.

English

Disposal of your old appliance

1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

Deutsch/German

Entsorgung von Altgeräten

1. Wenn dieses Symbol eines durchgestrichenen Abfalleimers auf einem Produkt angebracht ist, unterliegt dieses Produkt der europäischen Richtlinie 2002/96/EC.
2. Alle Elektro- und Elektronik-Altgeräte müssen getrennt vom Hausmüll über die dafür staatlich vorgesehenen Stellen entsorgt werden.
3. Mit der ordnungsgemäßen Entsorgung des alten Geräts vermeiden Sie Umweltschäden und eine Gefährdung der persönlichen Gesundheit.
4. Weitere Informationen zur Entsorgung des alten Geräts erhalten Sie bei der Stadtverwaltung, beim Entsorgungsamt oder in dem Geschäft, wo Sie das Produkt erworben haben.

Italiano/Italian

RAEE: SMALTIMENTO DELLE VOSTRE VECCHIE APPARECCHIATURE

1. Quando il simbolo del "Cassonetto Barrato" è apposto su un prodotto, significa che lo stesso può ricadere nei termini previsti dalla Direttiva Europea nr. 2002/96/EC in funzione dell'attuazione definita dalla Legislazione dei singoli stati membri dell'Unione Europea.
2. Tutti i prodotti elettrici ed elettronici dovrebbero essere smaltiti separatamente dai rifiuti municipali, tramite appositi contenitori, approvati dall'Amministrazione Comunale o dalle Autorità Locali.
3. Il corretto smaltimento delle vostre vecchie apparecchiature, contribuirà a prevenire possibili conseguenze di impatto negativo sull' ambiente e per la salute dell'uomo.
4. Per maggiori informazioni circa lo smaltimento delle vostre vecchie apparecchiature, siete pregati di contattare l'ufficio municipale della vostra città, il servizio di smaltimento rifiuti o il punto vendita nel quale avete acquistato il prodotto.

Polski/Polish

Utylizacja starych urządzeń

1. Kiedy do produktu dołączony jest niniejszy przekreślony symbol kołowego pojemnika na śmieci, oznacza to, że produkt jest objęty europejską dyrektywą 2002/96/EC.
2. Wszystkie elektryczne i elektroniczne produkty powinny być utylizowane niezależnie od odpadów miejskich, z wykorzystaniem przeznaczonych do tego miejsc składowania wskazanych przez rząd lub miejscowe władze.
3. Właściwy sposób utylizacji starego urządzenia pomoże zapobiec potencjalnie negatywnemu wpływowi na zdrowie i środowisko.
4. Aby uzyskać więcej informacji o sposobach utylizacji starych urządzeń, należy skontaktować się z władzami lokalnymi, przedsiębiorstwem zajmującym się utylizacją odpadów lub sklepem, w którym produkt został kupiony.

Português/Portuguese

Eliminação do seu antigo aparelho

1. Quando este símbolo de latão cruzado estiver afixado a um produto, significa que o produto é abrangido pela Directiva Europeia 2002/96/EC.
2. Todos os produtos eléctricos e electrónicos devem ser eliminados separadamente da coleta de lixo municipal através de pontos de recolha designados, facilitados pelo governo ou autoridades locais.
3. A eliminação correcta do seu aparelho antigo ajuda a evitar potenciais consequências negativas para o ambiente e para a saúde humana.
4. Para obter informaçõs mais detalhadas acerca da eliminação do seu aparelho antigo, contacte as autoridades locais, um serviço de eliminação de resíduos ou a loja onde comprou o produto.

Español/Spanish

Cómo deshacerse de aparatos eléctricos y electrónicos viejos

1. Si en un producto aparece el símbolo de un contenedor de basura tachado, significa que éste se acoge a la Directiva 2002/96/EC.
2. Todos los aparatos eléctricos o electrónicos se deben desechar de forma distinta del servicio municipal de recogida de basura, a través de puntos de recogida designados por el gobierno o las autoridades locales.
3. La correcta recogida y tratamiento de los dispositivos inservibles contribuye a evitar riesgos potenciales para el medio ambiente y la salud pública.
4. Para obtener más información sobre cómo deshacerse de sus aparatos eléctricos y electrónicos viejos, póngase en contacto con su ayuntamiento, el servicio de recogida de basuras o el establecimiento donde adquirió el producto.

Shipping Instructions

Use the following procedure when returning a unit to the factory:

1. Call or write Vicon for a Return Authorization (R.A.) at one of the locations listed below. Record the name of the Vicon employee who issued the R.A.

   Vicon Industries Inc.
   89 Arkay Drive
   Hauppauge, NY 11788
   Phone: 631-952-2288; Toll-Free: 1-800-645-9116; Fax: 631-951-2288

   For service or returns from countries in Europe, contact:

   Vicon Industries (U.K.) Ltd
   Brunel Way
   Fareham, PO15 5TX
   United Kingdom
   Phone: +44 (0)1489/566300; Fax: +44 (0)1489/566322

2. Attach a sheet of paper to the unit with the following information:

   a. Name and address of the company returning the unit
   b. Name of the Vicon employee who issued the R.A.
   c. R. A. number
   d. Brief description of the installation
   e. Complete description of the problem and circumstances under which it occurs
   f. Unit's original date of purchase, if still under warranty

3. Pack the unit carefully. Use the original shipping carton or its equivalent for maximum protection.
4. Mark the R.A. number on the outside of the carton on the shipping label.

Vicon Standard Equipment Warranty

Vicon Industries Inc. (the "Company") warrants your equipment to be free from defects in material and workmanship under Normal Use from the date of original retail purchase for a period of three years, with the following exceptions:

1. Monitors, all models: One year from date of original retail purchase.
2. Uninterruptible Power Supplies: Two years from date of original retail purchase.
3. VDR-700 Recorder Series: One year from date of original retail purchase.
4. V5616MUX: One year from date of original retail purchase.
5. Arecont Cameras: One year from date of original retail purchase.
6. FMC series fiber-optic media converters and associated accessories: Lifetime warranty.
7. For PTZ cameras, "Normal Use" excludes prolonged use of lens and pan-and-tilt motors, gear heads, and gears due to continuous use of "autopan" or "tour" modes of operation. Such continuous operation is outside the scope of this warranty.
8. Any product sold as "special" or not listed in Vicon's commercial price list: One year from date of original retail purchase.

Date of retail purchase is the date original end-user takes possession of the equipment, or, at the sole discretion of the Company, the date the equipment first becomes operational by the original end-user.

The sole remedy under this Warranty is that defective equipment be repaired or (at the Company's option) replaced, at Company repair centers, provided the equipment has been authorized for return by the Company, and the return shipment is prepaid in accordance with policy.

The Company will not be obligated to repair or replace equipment showing abuse or damage, or to parts which in the judgment of the Company are not defective, or any equipment which may have been tampered with, altered, misused, or been subject to unauthorized repair.

Software supplied either separately or in hardware is furnished on an "As Is" basis. Vicon does not warrant that such software shall be error (bug) free. Software support via telephone, if provided at no cost, may be discontinued at any time without notice at Vicon's sole discretion. Vicon reserves the right to make changes to its software in any of its products at any time and without notice.

This Warranty is in lieu of all other conditions and warranties express or implied as to the Goods, including any warranty of merchantability or fitness and the remedy specified in this Warranty is in lieu of all other remedies available to the Purchaser.

No one is authorized to assume any liability on behalf of the Company, or impose any obligations on it in connection with the sale of any Goods, other than that which is specified above. In no event will the Company be liable for indirect, special, incidental, consequential, or other damages, whether arising from interrupted equipment operation, loss of data, replacement of equipment or software, costs or repairs undertaken by the Purchaser, or other causes.

This warranty applies to all sales made by the Company or its dealers and shall be governed by the laws of New York State without regard to its conflict of laws principles. This Warranty shall be enforceable against the Company only in the courts located in the State of New York.

The form of this Warranty is effective May 4, 2012.

THE TERMS OF THIS WARRANTY APPLY ONLY TO SALES MADE WHILE THIS WARRANTY IS IN EFFECT. THIS WARRANTY SHALL BE OF NO EFFECT IF AT THE TIME OF SALE A DIFFERENT WARRANTY IS POSTED ON THE COMPANY'S WEBSITE, *WWW.VICON-SECURITY.COM*. IN THAT EVENT, THE TERMS OF THE POSTED WARRANTY SHALL APPLY EXCLUSIVELY.

Vicon Part Number: 8006-9010-03-10 Rev 0412

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